

### R E M A R K S

Careful review and examination of the subject application are noted and appreciated.

### SUPPORT FOR THE CLAIM AMENDMENTS

Support for the claim amendments may be found in the specification, for example, on page, 5 lines 8-18, page 6, line 19 through page 7, line 12, page 7, lines 17-21, page 8, lines 15-21, page 15, line 11 through page 16, line 12 and FIGS. 2 and 6, as originally filed. Thus, no new matter has been added.

### CLAIM REJECTIONS UNDER 35 U.S.C. §112

The rejection of claims 1-13 under 35 U.S.C. §112, second paragraph, indefiniteness has been obviated in part by appropriate amendment, is respectfully traversed in part, and should be withdrawn.

The rejection of claims 1-13 under 35 U.S.C. §112, second paragraph, incompleteness have been obviated in part by appropriate amendment, is respectfully traversed in part, and should be withdrawn.

Regarding claim 7, "a serial signal" in the line 3 of claim 7 has been changed to "a differential serial signal" to provide appropriate antecedent basis. As such, claim 7 is fully

compliant with 35 U.S.C. §112, second paragraph, and the rejection should be withdrawn.

Regarding the indefinite rejections of claims 1, 7 and 13, the rejections of claims 1 and 7 have been obviated by appropriate amendment and should be withdrawn. Claims 1 and 7 now explicitly state the claimed directions of conversion. As such, claims 1-12 are fully compliant with 35 U.S.C. §112, second paragraph, and the rejections should be withdrawn.

Furthermore, MPEP §2173.04 states:

Breadth of a claim is not to be equated with indefiniteness. *In re Miller*, 441 F.2d 689, 169 USPQ 597 (CCPA 1971). If the scope of the subject matter embraced by the claims is clear, and if applicants have not otherwise indicated that they intend the invention to be of a scope different from that defined in the claims, then the claims comply with 35 U.S.C. 112, second paragraph.

MPEP §2173.02 further states:

The essential inquiry pertaining to this requirement is whether the claims set out and circumscribe a particular subject matter with a reasonable degree of clarity and particularity. Definiteness of claim language must be analyzed, not in a vacuum, but in light of:

(A) The content of the particular application disclosure;

(B) the teachings of the prior art; and

(C) The claim interpretation that would be given by one possessing the ordinary level of skill in the pertinent art at the time the invention was made.

The application discloses in FIG. 2 and the associated text that a transceiver core (an example of the claimed means for converting of claim 13) may convert a parallel signal (e.g., PHY\_DATA\_OUT) into a differential serial signal (e.g., TX+ and TX-) and/or convert a

differential serial signal (e.g., RX+ and RX-) into a parallel signal (e.g., PHY\_DATA\_IN). In light of the specification, the claimed conversion between a differential serial signal and a parallel signal has a reasonable degree of clarity and particularity. Claims 1 and 7 provide language similar to claim 13. Claims 2-6 and 8-12 depend from claims 1 and 7. As such, the claims are fully compliant with 35 U.S.C. §112, second paragraph, and the rejections should be withdrawn.

Regarding the incompleteness rejection of claims 1, 7 and 13, the rejections for claims 1 and 7 have been obviated by appropriate amendment and should be withdrawn. As such, claims 1-12 are fully compliant with 35 U.S.C. §112, second paragraph, and the rejections should be withdrawn.

Furthermore, the Office Action appears to be using a compilation of MPEP §706.03(d) form paragraphs 7.34.13, 7.34.13 and 7.34.14 in the rejection. However, the Office Action fails to provide the necessary rational for considering the alleged omitted steps/elements/cooperative relationships as critical or essential as indicated in form paragraph 7.34.12, item 3; paragraph 7.34.13, item 3; and paragraph 7.34.14, item 3. The assertions that various "functional/structure/connectional interrelationships" are essential or omitted appear to be conclusory statements. Therefore, the Examiner is respectfully requested to either (i) provide clear rational why the alleged missing

steps/elements/cooperative relationships are considered essential or (ii) withdraw the rejection.

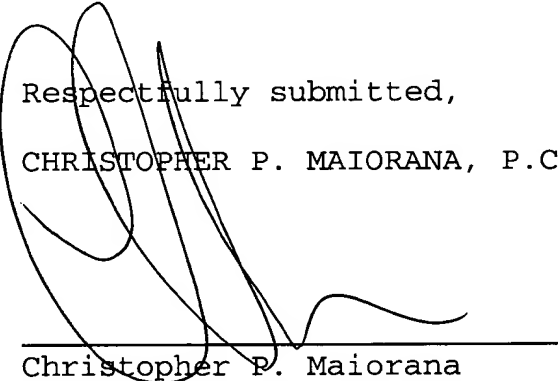
Accordingly, the present application is in condition for allowance. Early and favorable action by the Examiner is respectfully solicited.

The Examiner is respectfully invited to call the Applicants' representative at 586-498-0670 should it be deemed beneficial to further advance prosecution of the application.

If any additional fees are due, please charge Deposit Account No. 12-2252.

Respectfully submitted,

CHRISTOPHER P. MAIORANA, P.C.



---

Christopher P. Maiorana  
Registration No. 42,829

Dated: June 17, 2005

c/o Pete Scott  
LSI Logic Corporation  
1621 Barber Lane, M/S D-106 Legal  
Milpitas, CA 95035

Docket No.: 01-359 / 1496.00142